

REMARKS

As an integral part of the original filing of the above-referenced application on August 2, 2001, applicants filed a "paper" copy of the Sequence Listing on CD-R pursuant to 37 C.F.R. § § 1.821(c) and 1.52(e), and a computer-readable format ("CRF") copy of the same Sequence Listing on CD-R pursuant to 37 C.F.R. § § 1.821(e) and 1.824.

The "paper" sequence listing was submitted on a single CD-R, provided in duplicate ("COPY1" and "COPY2") pursuant to 37 C.F.R. § 1.52(e)(4), and was incorporated by reference in its entirety into the specification by statement pursuant to 37 C.F.R. § 1.52(e)(5). That the duplicate copies were identical was affirmed by statement in the transmittal letter pursuant to 37 C.F.R. § 1.52(e)(4), and their mutual identity to the CRF copy was affirmed by statement in the transmittal letter pursuant to 37 C.F.R. 1.821(f).

On November 6, 2001, in response to a Notice to File Missing Parts mailed October 18, 2001, applicants filed substitute copies of each of the originally-filed discs created from a CD-R disc maintained in the internal files of the

attorney of record. In response to a Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures mailed June 28, 2004, applicants again submit substitute copies of each of the originally-filed discs.

The "paper" sequence listing, filed herewith in duplicate, is a true and correct copy of the single CD-R disc maintained in the internal files of the attorney of record. The single computer file recorded thereon is named "sequence.txt", shows a date of file creation of August 02, 2001 and a file size of 1,048,233 bytes, exactly as set forth in applicants' specification under "REFERENCE TO SEQUENCE LISTING SUBMITTED ON COMPACT DISC". The two discs are identical to one another and are, to the best of applicants' knowledge, identical to the "paper" sequence listing filed with the application on August 2, 2001.

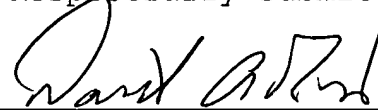
Applicants further file herewith as a substitute copy of the CRF sequence listing a true and correct copy of the same single disc maintained in the internal files of the undersigned attorney of record. The single computer file recorded thereon is named "sequence.txt", shows a date of file creation of

August 02, 2001 and a file size of 1,048,233 bytes, exactly as set forth in applicants' specification under "REFERENCE TO SEQUENCE LISTING SUBMITTED ON COMPACT DISC". The CRF disc, and the file contained thereon, is identical to the substitute paper sequence listing filed herewith on CD-R in duplicate pursuant to 37 C.F.R. §§ 1.821(c) and 1.52(e).

To the best of applicants' knowledge, no new matter has been added.

21 July 2004

Respectfully submitted,



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